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Physiology and Pathophysiology of Oxygen Sensitivity

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Deadline for manuscript submissions:

closed (15 April 2021)

Message from the Guest Editors

This Special Issue will include a selection of research papers and review articles related to O₂ sensing and oxidative stress, physiological responses to acute or chronic hypoxia, and maladaptive responses to the hypoxic environment and their more recent translational implications. We are currently seeking to expand the content of the Issue and would welcome the submission of up-to-date review articles and experimental papers.

We dedicate this Special Issue to our colleagues who made important contributions to the field of chemoreception and particularly to our understanding of the carotid body (CB) and who have passed away in the last decade: Prof. Sukhamay Lahiri (2009), Prof. Constancio Gonzalez (2015), Prof. Machiko Shirahata (2016), and Prof. Chris Peers (2018). We may have lost them, but their legacy continues through the research of many scientific heirs, students, collaborators, and friends.



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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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